Worksheet - Numbers to 20 and counting

Year: Year 1 · 22

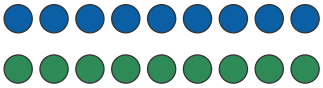
Show your working.

Question 1

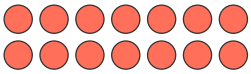
Question 1 – Count and write *(Section A · Practice)*

Count each group of things. Write how many there are.

a. 

b. 

c. 

d. 

Question 2

Question 2 – Number words *(Section A · Practice)*

Write each number in words.

a. 3
b. 8
c. 12
d. 15
e. 20

Question 3

Question 3 – Digits *(Section A · Practice)*

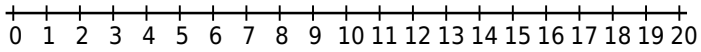
Write each number with digits.

a. five
b. eleven
c. fourteen
d. eighteen
e. zero

Question 4

Question 4 – One more, one less *(Section A · Practice)*

Write the answer. Use the number line to help you.

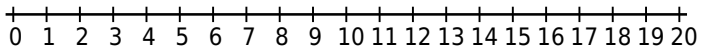


a. What is one more than 6?
b. What is one more than 14?
c. What is one less than 10?
d. What is one less than 20?
e. What is one less than 1?

Question 5

Question 5 – Counting on *(Section A · Practice)*

Use the number line. Count on to find where you land.



a. Start at 3. Count on 4 steps.
b. Start at 8. Count on 5 steps.
c. Start at 12. Count on 6 steps.

Question 6

Question 6 – Missing numbers *(Section A · Practice)*

Write the missing numbers.

a. 4, 5, __, 7, 8
b. 10, 11, 12, __, 14
c. 17, 16, __, 14
d. 20, 19, 18, __, 16
e. __, 9, 10, 11

Question 7

Question 7 – The toy shop shelf *(Section B · Real-life practice)*

Zara helps in a toy shop. On the top shelf there are 6 teddy bears. On the middle shelf there are 8 toy cars. On the bottom shelf there are 5 puzzles.



a. How many teddy bears are on the top shelf?
b. Which shelf has the most things?
c. Which shelf has the fewest things?
d. Zara puts one more puzzle on the bottom shelf. How many puzzles are there

now?

Question 8

Question 8 – Birthday party *(Section B · Real-life practice)*

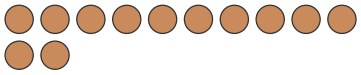
Leo is having a birthday party. He has 11 balloons. Some are red and some are blue. He has 4 red balloons.

a. How many balloons does Leo have in all?
b. Write the number in words.
c. A balloon pops. How many balloons are left?
d. His friend gives him one more balloon. Now how many balloons does Leo have?

Question 9

Question 9 – At the bakery *(Section B · Real-life practice)*

The baker puts 12 buns in a tray. A girl buys 1 bun. Then another child buys 1 bun.



a. How many buns are in the tray at the start?
b. How many buns are left after the first child buys one?
c. How many buns are left after the second child buys one?
d. Is the number now more than 10 or less than 10?

Question 10

Question 10 – On the playground *(Section B · Real-life practice)*

There are 9 children on the slide. There are 14 children on the swings. There are 7 children on the climbing frame.

Place	Children
Slide	9
Swings	14
Climbing frame	7

a. Which place has the most children?
b. Which place has the fewest children?
c. Write the three numbers in order. Start with the smallest.
d. Where would you go if you wanted a place with fewer than 10 children? Name two places.

Question 11

Question 11 – Fruit at the market *(Section B · Real-life practice)*

Ben is helping at a fruit stall. He counts 13 apples, 10 pears and 16 plums.

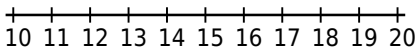
Fruit	Number
Apples	13
Pears	10
Plums	16

a. Which fruit are there the most of?
b. Write the number of pears in words.
c. Ben sells one apple. How many apples are left?
d. Put the three fruit numbers in order from smallest to biggest.

Question 12

Question 12 – Dinner time at the zoo *(Section B · Real-life practice)*

At the zoo, the keeper feeds the animals. She has 15 fish for the penguins. The penguins eat 1 fish at a time and do not stop. She counts backwards as she puts them out.



a. Write the numbers she says as she counts back from 15 to 11.
b. After she has handed out 1 fish, how many fish are left?
c. How many fish are left after she hands out 4 fish?
d. The keeper says "I have nothing left". How many fish is that?

Question 13

Question 13 – Reading time *(Section B · Real-life practice)*

The class library has a shelf for each group. The Red group has 8 books. The Blue group has 12 books. The Green group has 18 books.

a. How many books does the Blue group have?
b. Which group has more than 15 books?
c. Which group has fewer than 10 books?
d. Write all three numbers in words.

Question 14

Question 14 – Stickers on the chart *(Section B · Real-life practice)*

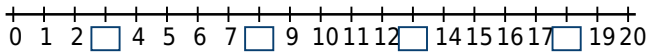
Mrs Khan gives out gold stars for good work. Anna has 7 stars. Jay has 11 stars. Priya has 15 stars.

a. Who has the most stars?
b. Who has the fewest stars?
c. How many stars does Jay have? Write it in words.
d. Priya earns one more star. How many stars does she have now?

Question 15

Question 15 – The missing bus numbers *(Section C · Problem solving)*

Hamza watches the buses go by his school. The bus numbers are written on cards, but some cards have fallen off. The numbers should go in order. Here are the cards in a row.



a. The numbers go 1, 2, __, 4, 5, 6, 7, __, 9 and so on. What are the first two missing numbers?
b. What are the other two missing numbers, in the line 12, __, 14, 15, 16, 17, __, 19?
c. Which missing number is the biggest?
d. Hamza says "All four missing numbers are less than 20." Is he right? Explain.

Question 16

Question 16 – Sorting the shells *(Section C · Problem solving)*

Isla collected shells on the beach. She sorted them into rows. In the first row there are 9 shells. In the second row there are 13 shells. In the third row there are 6 shells. In the fourth row there are 16 shells.

Row	Shells
Row 1	9
Row 2	13
Row 3	6
Row 4	16

a. Which row has the most shells?
b. Put the four numbers in order, smallest first.
c. Isla gives one shell from the longest row to her friend. How many shells are left in that row?
d. Isla says "There are two rows with more than 10 shells." Is she right?

Question 17

Question 17 – The number detective *(Section C · Problem solving)*

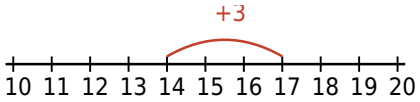
Kai is a number detective. He gives clues about a secret number. Can you find it?

a. Clue: It comes after 11 and before 13. What is the number?
b. Clue: It is one more than 17. What is the number?
c. Clue: It is one less than 15. What is the number?
d. Clue: It has two digits. It is between 18 and 20. What is the number?

Question 18

Question 18 – Cars in the car park *(Section C · Problem solving)*

There are 20 spaces in a small car park. At 9 o'clock, 14 spaces have a car in them. At 10 o'clock, 3 more cars arrive. Use the number line to help.

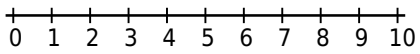


a. How many spaces have a car at 9 o'clock?
b. Count on 3 from 14. How many cars are there at 10 o'clock?
c. How many spaces are left? Count on from 17 to 20 to find out.
d. Can 4 more cars park? Explain.

Question 19

Question 19 – Sam and the rocket *(Section C · Problem solving)*

Sam is making a paper rocket. The countdown starts at 10. Sam says the numbers backwards. Sam makes one mistake. He says: 10, 9, 8, 6, 5, 4, 3, 2, 1.



a. Which number did Sam forget?
b. Say the correct countdown from 10 to 0. Write it out.
c. What does Sam say at the very end of the countdown, after 1? Write it as a digit and in words.

Question 20

Question 20 – Sharing pencils *(Section C · Problem solving)*

A teacher has 18 pencils. She puts 10 pencils in a pot on the red table. She puts the rest in a pot on the blue table.

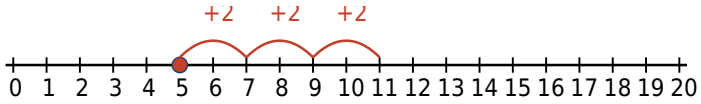


a. How many pencils are in the red pot?
b. Count on from 10 to 18. How many steps do you take? This is how many pencils are in the blue pot.
c. Which pot has more pencils?
d. The teacher finds 2 more pencils. She puts them in the blue pot. Now how many pencils are in the blue pot?

Question 21

Question 21 – Challenge: the number path *(Section D · Challenge)*

A frog hops on numbers. The frog starts on 5. Each hop goes forward 2 steps. The frog says the numbers where it lands.



a. Write the first four numbers the frog lands on. Start with 5.
b. Does the frog land on 12? Explain.
c. Does the frog land on 17? Count the hops to check.
d. The frog started on 6 instead. Does it land on 12 then?

Question 22

Question 22 – Challenge: make the number *(Section D · Challenge)*

You have two digit cards: 1 and 4. You can put them next to each other to make a two-digit number.

a. Make two different numbers with the cards. Write them.
b. Which of your two numbers is bigger? How do you know?
c. Write the smaller number in words.
d. You have the cards 2 and 0. Make the number twenty. Which card goes first?